molex
one company > a world of innovation

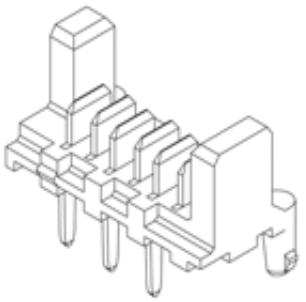
This document was generated on 04/09/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0903259014

Status: Active

Description: 1.27mm (.050") Pitch Picoflex® PF-50 Header, Vertical, Low Profile, 14 Circuits, Tin (Sn) Plating, Tube Packaging



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-99020-0011 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	90325
Application	Wire-to-Board
Comments	Low Profile
Product Name	Picoflex®

Physical

Breakaway	No
Circuits (Loaded)	14
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	160
Plating min: Mating (µm)	4
Plating min: Termination (µin)	160
Plating min: Termination (µm)	4
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Open Ends
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series
90325Series

Mates With
90327 IDT Connector

Electrical

Current - Maximum per Contact	1.2A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)

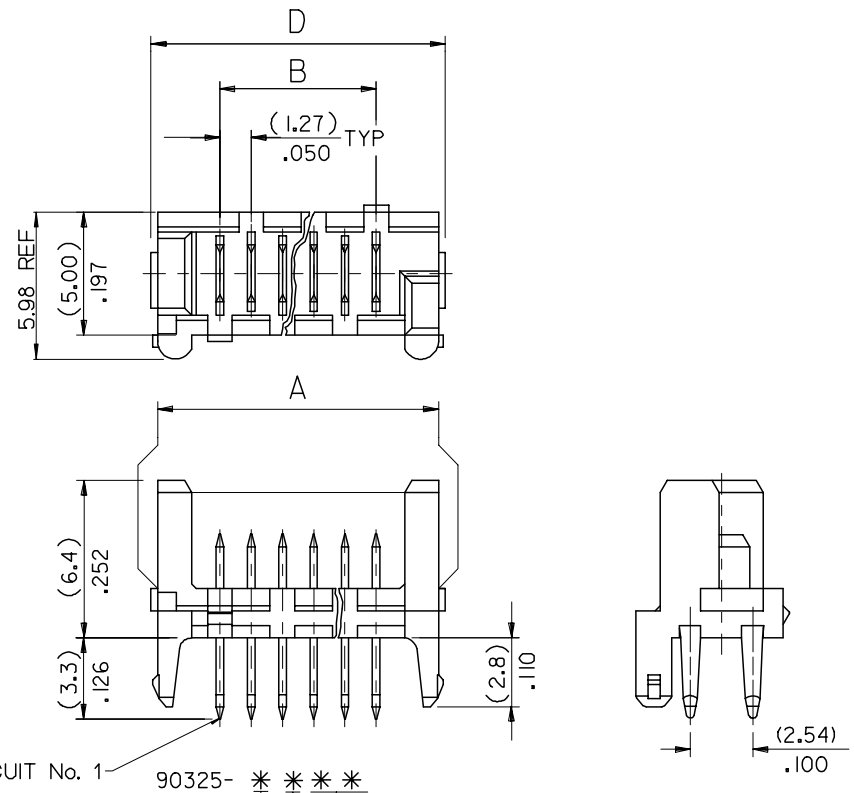
Material Info

Reference - Drawing Numbers

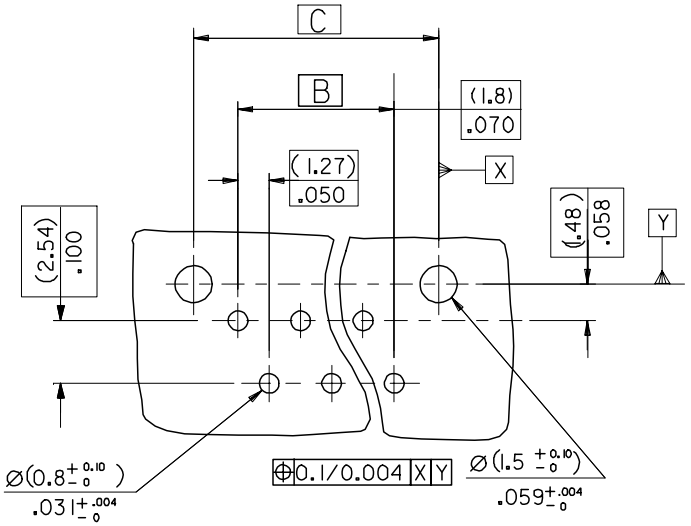
Product Specification	PS-99020-0011
Sales Drawing	SDA-90325

This document was generated on 04/09/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



PART NO.	NO. OF CKTS	DIM. A	DIM. B	DIM. C	DIM. D	NO. ASSYS IN TUBE
90325 - **26	26	(36.80)/1.449	(31.75)/1.250	(35.35)/1.392	(37.26)/1.467	14
- **24	24	(34.26)/1.349	(29.21)/1.150	(32.81)/1.292	(34.72)/1.367	15
- **22	22	(31.72)/1.249	(26.67)/1.050	(30.27)/1.192	(32.18)/1.267	16
- **20	20	(29.18)/1.149	(24.13)/.950	(27.73)/1.092	(29.64)/1.167	18
- **18	18	(26.64)/1.049	(21.59)/.850	(25.19)/ .992	(27.10)/1.067	19
- **16	16	(24.10)/ .949	(19.05)/.750	(22.65)/ .892	(24.56)/ .967	22
- **14	14	(21.56)/ .849	(16.51)/.650	(20.11)/ .792	(22.02)/ .867	24
- **12	12	(19.02)/ .749	(13.97)/.550	(17.57)/ .692	(19.48)/ .767	27
- **10	10	(16.48)/ .649	(11.43)/.450	(15.03)/ .592	(16.94)/ .667	32
- **08	8	(13.94)/ .549	(8.89)/.350	(12.49)/ .492	(14.40)/ .567	36
- **06	6	(11.40)/ .449	(6.35)/.250	(9.95)/ .392	(11.86)/ .467	44
90325 - **04	4	(8.86)/ .349	(3.81)/.150	(7.41)/ .292	(9.32)/ .367	57



PCB LAYOUT VIEWED FROM SOLDER SIDE.
BOARD (1.60±0.14) THK
.063±.006 THK.

NOTES:

1. HOUSING MATL. POLYESTER PBT 15% GLASS FILLED TO UL94 V-0.
2. TER. MATL. BRASS (0.28)/.011 THK
   PLATING. TIN: (1.27um)/50u" MIN NICKEL
   UNDER (3-5um)/120-200u" TIN
   PLATING. GOLD: (1.27um)/50u" MIN. NICKEL
   UNDER (3-5um)/120-200u" TIN SELECTIVE
   AND (0.76um)/30u" SELECTIVE GOLD
3. CONFORMS TO PRODUCT SPECIFICATION PS-99020-0011

ADD CKT.1 INDICATOR
EC NO: E2007-0083
DRWN: DWASZKIEWICZ 2006/09/11
CHKD: J. DENNEHY 2006/09/11
APPR: J DENNEHY 2006/09/13
DESCRIPTION
REV: AN

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.008
2 PLACES	±0.20	±.008
1 PLACE	±0.20	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 5:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DMCN DATE: 2001/05/29
CHECKED BY: ROCONNOR DATE: 2001/05/29
APPROVED BY: MWILHITE DATE: 2001/05/29
MATERIAL NO.: SEE CHART

TITLE: HEADER ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO.: SDA-90325
SHEET NO.: 1 OF 3

SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION